Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072821\
Data File : BG049528.D
Acq On : 28 Jul 2021 11:19
Operator : CG/JU
Sample : PB137949BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS949

**Manual Integrations APPROVED**
mohammad
7/29/2021 1:41:50 PM

Quant Time: Jul 28 12:12:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 26 11:36:47 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.048 | 152 | 25326 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.874 | 136 | 103596 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.698 | 164 | 75035 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.453 | 188 | 167519 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.730 | 240 | 156239 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.014 | 264 | 162327 | 20.000 | ng/ul | 0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.431 | 96 | 3717 | 6.715 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.848 | 84 | 51205 | 32.205 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.203 | 99 | 76759 | 34.256 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.367 | 67 | 42203 | 33.255 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.578 | 132 | 56160 | 34.965 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.759 | 113 | 58575 | 34.681 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.217 | 128 | 28046 | 35.212 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.946 | 143 | 34552 | 37.020 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.486 | 165 | 60477 | 35.627 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.003 | 131 | 75103 | 31.746 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.099 | 166 | 194220 | 33.791 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.393 | 160 | 228814 | 34.274 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.898 | 143 | 32521 | 34.358 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.691 | 176 | 166440 | 33.612 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.814 | 200 | 35943 | 34.625 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.547 | 188 | 265708 | 34.127 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.832 | 212 | 309056 | 38.685 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.785 | 264 | 294910 | 34.566 | ng/ul | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.466 | 88 | 7927 | 10.477 | ng/uL# | 90 |
| 5) Pyridine | 3.872 | 79 | 61039 | 35.889 | ng/ul | 97 |
| 6) Benzaldehyde | 7.179 | 77 | 56732 | 42.430 | ng/ul | 95 |
| 8) Phenol | 7.232 | 94 | 82738 | 37.799 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.461 | 93 | 56886 | 37.723 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.614 | 128 | 61082 | 39.501 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.489 | 108 | 65327 | 39.158 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.577 | 45 | 64930 | 36.742 | ng/ul# | 91 |
| 16) Acetophenone | 8.877 | 105 | 102465 | 37.694 | ng/ul# | 92 |
| 17) N-Nitroso-di-n-propyla... | 8.859 | 70 | 54455 | 38.848 | ng/ul# | 93 |
| 18) 4-Methylphenol | 8.824 | 108 | 67057 | 38.208 | ng/ul | 98 |
| 19) Hexachloroethane | 9.135 | 117 | 26355 | 37.833 | ng/ul | 89 |
| 22) Nitrobenzene | 9.259 | 77 | 88242 | 37.106 | ng/ul | 97 |
| 23) Isophorone | 9.787 | 82 | 151390 | 37.991 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.975 | 139 | 35787 | 40.743 | ng/ul | 90 |
| 26) 2,4-Dimethylphenol | 10.034 | 107 | 78127 | 37.321 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.269 | 93 | 73088 | 36.774 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.516 | 162 | 66025 | 39.788 | ng/ul | 95 |
| 30) Naphthalene | 10.921 | 128 | 200646 | 37.601 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.027 | 127 | 80190 | 35.634 | ng/ul# | 89 |
| 33) Hexachlorobutadiene | 11.203 | 225 | 48427 | 38.171 | ng/ul | 94 |
| 34) Caprolactam | 11.796 | 113 | 21988m | 38.961 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.149 | 107 | 75337 | 40.350 | ng/ul | 93 |
| 36) 2-Methylnaphthalene | 12.525 | 142 | 149917 | 38.385 | ng/ul | 98 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.748 | 142 | 146236 | 37.054 | ng/ul# | 90 |
| 39) 1,2,4,5-Tetrachloroben... | 12.895 | 216 | 83758 | 37.557 | ng/ul | 93 |
| 40) Hexachlorocyclopentadiene | 12.871 | 237 | 35309 | 26.276 | ng/ul | 91 |
| 41) 2,4,6-Trichlorophenol | 13.130 | 196 | 53215 | 38.829 | ng/ul# | 82 |
| 42) 2,4,5-Trichlorophenol | 13.206 | 196 | 56973 | 38.926 | ng/ul | 93 |
| 43) 1,1'-Biphenyl | 13.529 | 154 | 194185 | 36.342 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.576 | 162 | 151994 | 36.555 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.776 | 65 | 60384 | 40.923 | ng/ul | 91 |
| 47) Dimethylphthalate | 14.146 | 163 | 206514 | 36.946 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.269 | 165 | 43893 | 39.348 | ng/ul | 96 |
| 50) Acenaphthylene | 14.422 | 152 | 233093 | 36.561 | ng/ul | 95 |
| 51) 3-Nitroaniline | 14.598 | 138 | 41557 | 37.352 | ng/ul | 87 |
| 52) Acenaphthene | 14.763 | 153 | 166389 | 36.389 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.810 | 184 | 23678 | 42.603 | ng/ul# | 82 |
| 55) 4-Nitrophenol | 14.916 | 109 | 47612 | 37.096 | ng/ul | 94 |
| 56) Dibenzofuran | 15.098 | 168 | 233999 | 37.899 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 15.062 | 165 | 64938 | 41.068 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.327 | 232 | 53318 | 40.143 | ng/ul | 93 |
| 59) Diethylphthalate | 15.509 | 149 | 214987 | 37.163 | ng/ul | 97 |
| 61) Fluorene | 15.750 | 166 | 195776 | 37.351 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.738 | 204 | 102578 | 37.595 | ng/ul | 88 |
| 63) 4-Nitroaniline | 15.767 | 138 | 44351 | 40.199 | ng/ul | 93 |
| 66) 4,6-Dinitro-2-methylph... | 15.826 | 198 | 35944 | 37.615 | ng/ul# | 82 |
| 67) N-Nitrosodiphenylamine | 15.950 | 169 | 168256 | 38.325 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.631 | 248 | 71691 | 38.435 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.754 | 284 | 81285 | 38.516 | ng/ul | 95 |
| 70) Atrazine | 16.895 | 200 | 78649 | 39.224 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.101 | 266 | 41710 | 42.685 | ng/ul | 95 |
| 72) Phenanthrene | 17.494 | 178 | 319610 | 36.648 | ng/ul | 97 |
| 74) Anthracene | 17.583 | 178 | 317296 | 35.904 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.500 | 216 | 84261 | 37.017 | ng/uL | 97 |
| 76) Pentachlorobenzene | 15.021 | 250 | 93395 | 38.778 | ng/uL | 95 |
| 77) Carbazole | 17.853 | 167 | 287271 | 36.359 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.405 | 149 | 359950 | 36.636 | ng/ul | 99 |
| 80) Fluoranthene | 19.503 | 202 | 400278 | 41.264 | ng/ul | 99 |
| 82) Pyrene | 19.862 | 202 | 395060 | 41.019 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.743 | 149 | 152617 | 40.702 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.624 | 252 | 137399 | 38.273 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.712 | 228 | 370218 | 38.757 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.607 | 149 | 222832 | 40.044 | ng/ul | 95 |
| 87) Chrysene | 21.777 | 228 | 351353 | 38.429 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.834 | 149 | 366979 | 38.460 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.968 | 252 | 394748 | 38.799 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 24.033 | 252 | 379390m | 38.102 | ng/ul | |
| 93) Benzo(a)pyrene | 24.861 | 252 | 343719 | 38.942 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.762 | 276 | 454823 | 40.385 | ng/ul | 97 |
| 95) Dibenzo(a,h)anthracene | 28.820 | 278 | 367223 | 39.403 | ng/ul# | 98 |
| 96) Benzo(g,h,i)perylene | 29.942 | 276 | 367930 | 39.294 | ng/ul# | 93 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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